

## I. Amendments to the Claims

This listing of claims replaces without prejudice all prior versions, and listings, of claims in the present application.

### Listing of Claims:

1. (Currently amended) A balloon dilation catheter comprising:
  - a tubular member having a proximal end and a distal end;
  - an inflatable balloon disposed at the distal end of the tubular member;
  - a first lumen disposed in the tubular member and in communication with an interior of the inflatable balloon;
  - a second lumen disposed in the tubular member for receiving a guidewire along a portion of its length, the second lumen having a first opening in the tubular member and a second opening at the distal end of the tubular member;
  - a slit-forming region disposed longitudinally in the tubular member and extending along at least a portion of the tubular member, the slit-forming region causing formation of a first slit as the guidewire is separated from the second lumen;
  - an adapter disposed at the proximal end of said tubular member; and
  - an adapter slit disposed in said adapter to permit separation of the guidewire from the adapter, said adapter slit being: (i) narrower than an outside diameter of the guidewire throughout

the length of the adapter, and (ii) straight from a proximal end of the catheter to a distal end of the adapter.

2. (Original) The balloon dilation catheter defined in claim 1, wherein the slit-forming region extends from the first opening to an area on the tubular member which is proximal to the inflatable balloon.
3. (Original) The balloon dilation catheter defined in claim 1, wherein the slit-forming region extends from the first opening to the second opening.
4. (Cancelled)
5. (Cancelled)
6. (Cancelled)
7. (Cancelled)
8. (Cancelled)
9. (Original) The balloon dilation catheter defined in claim 1, wherein the first lumen and the second lumen each comprise a passageway having a substantially circular cross-section disposed in a substantially solid tubular member.

10. (Original) The balloon dilation catheter defined in claim 1, wherein the slit-forming region extends along substantially the entire length of the tubular member.
11. (Previously amended) The balloon dilation catheter defined in claim 1, wherein the slit-forming region extends along a portion of the length of the tubular member to a location proximal the balloon.
12. (Cancelled)
13. (Cancelled)
14. (Cancelled)
15. (Cancelled)
16. (Currently amended) A catheterization kit comprising:
  - a guide catheter;
  - a guide wire; and
  - a balloon dilation catheter comprising:
    - a tubular member having a proximal end and a distal end;
    - an inflatable balloon disposed at the distal end of the tubular member; a first lumen disposed in the tubular member and in communication with an interior of the inflatable balloon;

a second lumen disposed in the tubular member for receiving a guidewire along at least a portion of its length, the second lumen having a first opening in the tubular member and a second opening at the distal end of the tubular member;

a slit-forming region disposed longitudinally in the tubular member and extending along at least a portion of the tubular member, the slit-forming region causing formation of a first slit as the guidewire is separated from the second lumen;

an adapter disposed at the proximal end of said tubular member; and

an adapter slit disposed in said adapter to permit separation of the guidewire from the adapter, said adapter slit being: (i) narrower than an outside diameter of the guidewire throughout the length of the adapter, and (ii) straight from a proximal end of the catheter to a distal end of the adapter.

17. (Original) The catheterization kit defined in claim 16, wherein the slit-forming region extends from the first opening to an area on the tubular member which is proximal to the inflatable balloon.

18. (Original) The catheterization kit defined in claim 16, wherein the slit-forming region extends from the first opening to the second opening.

19. (Cancelled)

20. (Cancelled)

21. (Cancelled)
22. (Cancelled)
23. (Cancelled)
24. (Original) The catheterization kit defined in claim 16, wherein the first lumen and the second lumen each comprise a passageway having a substantially circular cross-section disposed in a substantially solid tubular member.
25. (Original) The catheterization kit defined in claim 16, wherein the slit-forming region extends along substantially the entire length of the tubular member.
26. (Previously amended) The catheterization kit defined in claim 16, wherein the slit-forming region extends along a portion of the length of the tubular member to a location proximal the balloon.
27. (Cancelled)
28. (Cancelled)
29. (Cancelled)
30. (Cancelled)

31. (Currently amended) A stent-mounted balloon catheter comprising:

- a tubular member having a proximal end and a distal end;
- an inflatable balloon disposed at the distal end of the tubular member;
- a stent mounted on the inflatable balloon;
- a first lumen disposed in the tubular member and in communication with an interior of the inflatable balloon;
- a second lumen disposed in the tubular member for receiving a guidewire along at least a portion of its length, the second lumen having a first opening in the tubular member and a second opening at the distal end of the tubular member; [and]
- a slit-forming region disposed longitudinally in the tubular member and extending along at least a portion of the tubular member, the slit-forming region causing formation of a first slit as the guidewire is separated from the second lumen;
- an adapter disposed at the proximal end of said tubular member; and
- an adapter slit disposed in said adapter to permit separation of the guidewire from the adapter, said adapter slit being: (i) narrower than an outside diameter of the guidewire throughout the length of the adapter, and (ii) straight from a proximal end of the catheter to a distal end of the adapter.

32. (Original) The balloon catheter defined in claim 31, wherein the slit-forming region extends from the first opening to an area on the tubular member which is proximal to the inflatable balloon.

33. (Original) The balloon catheter defined in claim 31, wherein the slit-forming region extends from the first opening to the second opening.

34. (Cancelled)

35. (Cancelled)

36. (Cancelled)

37. (Cancelled)

38. (Cancelled)

39. (Original) The balloon catheter defined in claim 31, wherein the first lumen and the second lumen each comprise a passageway having a substantially circular cross-section disposed in a substantially solid tubular member.

40. (Original) The balloon catheter defined in claim 31, wherein the slit-forming region extends along substantially the entire length of the tubular member.

41. (Previously amended) The balloon catheter defined in claim 31, wherein the slit-forming region extends along a portion of the length of the tubular member to a location proximal the balloon.

42. (Cancelled)

43. (Cancelled)

44. (Cancelled)

45. (Cancelled)

46. (Previously presented) The balloon catheter defined in claim 1, wherein said adapter slit consists of a straight slit throughout the length of said adapter.

47. (Previously presented) A stent-mounted balloon catheter comprising:

a tube having a proximal end and a distal end;

a balloon disposed at the distal end of the tube;

a stent mounted on the balloon;

a first lumen disposed in the tube and in communication with an interior of the balloon;

a second lumen disposed in the tube configured for receiving a guidewire along the length of the second lumen, the second lumen having a first opening at the proximal end of the tube and a second opening at the distal end of the tube;

a slit-forming region disposed longitudinally in the tubular member and extending along at least a portion of the tubular member, the slit-forming region causing formation of a first slit as the guidewire is separated from the second lumen;

an adapter connected to the proximal end of said tube; and  
an adapter slit disposed in said adapter to permit separation of the guidewire from the adapter through the adapter slit, said adapter consisting of a straight slit ~~throughout length of said adapter~~ from a proximal end of the catheter to a distal end of the adapter.

48. (Previously presented) The balloon catheter defined in claim 47, wherein said adapter slit is narrower than an outside diameter of the guidewire.

49. (Currently amended) The balloon catheter defined in claim 47, wherein said adapter slit is as narrower~~narrow~~ as said first slit.

50. (Currently amended) The balloon catheter defined in claim 47, ~~wherein~~, wherein the balloon has a second slit in substantial alignment with the first slit.

51. (Previously presented) The balloon catheter defined in claim 47, wherein, wherein the tube is constructed from plastic material having various densities to provide a decreasing stiffness from the proximal end to the distal end.

52. (Previously presented) The balloon catheter defined in claim 47, wherein said first slit extends from the first opening along the length of the tube to a location proximal the balloon.

53. (Previously presented) The balloon catheter defined in claim 47, further comprising a third lumen disposed in said tube between the first and second lumens, a stiffening member being disposed in at least a portion of said third lumen.

54. (Previously presented) The balloon catheter defined in claim 47, wherein said adapter comprises:

a guidewire branch; and

an inflation branch angled with respect to said guidewire branch.

55. (Currently amended) The balloon catheter defined in claim 47, wherein said adapter has at least ~~one~~ two sections with different diameters.

56. (Previously presented) A stent-mounted balloon catheter comprising:

a tubular member having a proximal end and a distal end;

an inflatable balloon disposed at the distal end of the tubular member;

a stent mounted on the inflatable balloon;

a first lumen disposed in the tubular member and in communication with an interior of the inflatable balloon;

a second lumen disposed in the tubular member for receiving a guidewire along at least a portion of its length, the second lumen having a first opening at the proximal end of the tubular member and a second opening at the distal end of the tubular member;

a slit-forming region disposed longitudinally in the tubular member and extending along at least a portion of the tubular member, the slit-forming region causing formation of a first slit as the guidewire is separated from the second lumen;

an adapter disposed at the proximal end of said tubular member; and

an adapter slit disposed in said adapter to permit separation of the guidewire from the adapter, said adapter slit being narrower than an outside diameter of the guidewire throughout the length of the adapter, said adapter slit consisting of a straight slit ~~throughout the length of said adapter~~ from a proximal end of the catheter to a distal end of the adapter.

57. (Currently amended) The balloon catheter defined in claim 56, wherein said adapter slit is as ~~narrower~~narrow as said first slit.

58. (Cancelled)

59. (Previously presented) The balloon catheter defined in claim 56, wherein said said first slit is narrower than an outside diameter of the guidewire.